ABSTRACT OF THE DISCLOSURE

A decision-driven control loop wherein a first reconstructed signal is compared to an unreconstructed data symbol signal to initially drive the control loop. A second reconstructed signal that-is based on a longer memory path than the first reconstructed signal is evaluated against the first reconstructed signal. The decision-driven control loop is ultimately controlled based on the results of the evaluation between the first and second reconstructed signals. The inventive decision-driven control loop, which may be implemented in software, may form part of a read channel in a storage device.